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## Ethical Analysis of Eucalyptus

The technology is welcome to our lives. Technology has made the life of the more that seven billion people possible here on earth by helping the growth of food production, building better transportation, building better communication, building better residences, residences better science, and etc. The computer science is a part on big picture of the technology, and the computer clouding is a part of the computer science. We all know by now that computer science contribution to each part of all technology. If we see down in history we will see that the technology has shaped human lives throw dedicates by solving problems and by making new problems. Like everything in real life that has it good side and bad side the computer clouding has it own good and bad effects to humanity.

The positive impacts that I have seen at Eucalyptus project are: lower costs, deploy project faster, scale as needed, lower maintenance cost, and resiliency and redundancy. The negative impacts that I have foreseen at Eucalyptus project are many as Identity Theft, Intellectual Property, Computer Reliability, and Information Privacy.

All this issues are very important for everybody as government, businesses and individuals. So let take one by one each negative societal impact. First, somebody hacks the Eucalyptus security and he gets inside of the cloud I do believe the damage will be very severe because it will touch everybody directly and indirectly. Identity Theft is very importation issue for everybody. If the credit cards of Eucalyptus subscribes got stolen. Eucalyptus subscribes are going to be harmed. Other case may be if the some of Eucalyptus subscribes are having very sensitive data that have very important information about they customers. This will be very bad because the three parties are going to be harmed. First party is Eucalyptus which will lose its customers and will have bad reputation, second party are Eucalyptus subscribers which will lose their customers and their business, and the third party that will be harmed will be the customers of the Eucalyptus subscribes which their Identity my get stolen.

Intellectual Property is very important for the businesses. There are laws that protect the Intellectual Property, but even with the strong laws still with the new Internet Era the Intellectual Property gets stolen. If big customer of the Eucalyptus has its entire important project on cloud and the cloud gets hack than all Intellectual properties may get stolen.

Also, if Eucalyptus project gets hack there will be more unethical issues like Information Privacy. People are going to loss their private persona information or businesses or the government. This act will intrude the person's daily life. There are two example: WikiLeaks that did published U.S Intelligence documentations, and other case is the international phone hacking scandal from News Corporation with chairman Rupert Murdoch. On the first case the U.S government got hurt and on second case sample people got hurt because of the unethical act.

Other issue that I foresee at Eucalyptus Computer Cloud is the Computer Reliability. The reason why I do believe that Computer Reliability is issue because if errors leading to system malfunctions could happen then an great bad thing could happen. The businesses will be affected, the government will be effected, and the individuals suffer from such issues. From my other class Physical Geography, I did learn that because of the tectonic plates the scientists are predicting e big earthquake in next 30-years in San Francisco. Everybody knows this fact, but what it very interesting is that how it will effect all U.S and all world. If we think that all the leading companies servers are at Silicon Valley in San Francisco, and if the big earthquake touches Silicon Valle there will be disaster on databases and on routing of the Internet connections. From this disaster will be harm all the subscribers the Eucalyptus and the damage will be unimaginable.

In conclusion, I do think that for some of the issues there the Eucalyptus can do run test after test to see if can find issues on software, can do research all time to find out if somebody got hacked and how he got hacked. This way they can try to check out if they do have same issue like the other company. About the earthquake issue they should have backup data base server and to have backup routing server in case of the natural disaster.